

# Laser Range Finder Binoculars LDM 20 000



instrument; 3 - tripod

The unit is a military specs pseudo binocular intended for ground surveillance, observation of individual targets and measurement of distance up to 20 km.

The range finder with the optional angular mount is designed for referencing targets coordinates, and is capable of:

- Measuring the distance to the target;
- Measuring horizontal angles and magnetic azimuths;
- Measuring vertical angles and angles of elevation;
- Determination of target and landmark polar coordinates;
- Polar-to-rectangular target coordinate conversion.

In addition to military users, the range finder is useful for many civilian applications: in geological and engineering survey, repair works, maritime navigation, meteorology, tourism and more.



1 - range finder; 2 - angular

## FEATURES:

- Up to 20 km distance
- 1<sup>st</sup> or last target selection
- illumination for dark conditions
- digital data output

Specifications:	LDM 20000-A	LDM20000-B
Magnification, x	7	8
Field of View, degrees	7	6
Range, m	100-20,000	50 -20,000
Gating ability, m	N/A	60-6,000
Range Accuracy, m	±5	± 3.5
Dioptic Correction, Visual channel, D	±5	±5
Dioptic Correction, Data channel, D	-0.6 : -1.5	-0.6 : -1.5
Laser Wavelength, nM	1.06	1.06
Output Energy, mJ	15	15
Pulse width, nS	6	6
Beam Divergence, mR	0.6	0.6
Power supply, V DC	12-14.5 or 22-29	12-14.5 or 22-29
User Displayed Information - The determined range, azimuth, and elevation differences are displayed to the operator through the eyepiece	Yes	Yes
Data Exported - capable of digitally outputting range, azimuth, and elevation information	Yes	Yes
Size - easily fits in a standard backpack, mm	225x215x110	100x185x190
Weight net, kg	2.5	1.6
Weight, gross, with case and accessories	3.9	3
Operational Temperature, °C	-40 : +50	-40 : +50

## ACCESSORIES:

1. Tripod (optional)
2. Angular mount (optional)
3. Rechargeable battery 10D-0,55\_-1
4. Fuse link VP1-1 1,0 A 250 V
5. Sealing ring
6. Framed lens
7. Membrane
8. Eye shield
9. Diaphragm
10. Wrench
11. Lens brush
12. Coordinate converter
13. Cables